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S9S12ZVL32F0CLC :Part Detail

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General Information

Part Number	S9S12ZVL32F0CLC
Description	MagniV 16-bit MCU, S12Z core, 32KB Flash, 25MHz, -40/+85degC, Automotive Qualified, QFP 32
Product Line	G9FZVLA
PTI	JCHG
Material Type	Tested Packaged Device
Life Cycle Description (code)	PRODUCT RAPID GROWTH
Status	Active
SafeAssure Functional Safety	ISO 26262
Application/Qualification Tier	AUTO; >=10 YEARS APPLICATION LIFE

Package Information

Package Type and Termination Count	QFP 32
Package Description and Mechanical Drawing	LQFP 32 7*7*1.4P0.8
Device Weight(g)	0.18860
Package Material	Plastic
Mounting Style	Surface Mount
Package Length (nominal)(mm)	7.000
Package Width (nominal)(mm)	7.000
Package Thickness (nominal)(mm)	1.600
Maximum Height Above Board(mm)	1.600
Tape & Reel	No

Environmental and Compliance Information

Pb-Free	(Pb)
RoHS Compliant	✓RoHS
Halogen Free	Yes
Material Composition Declaration (MCD)	Download MCD Report 📄 Download MCD Report 📄

RoHS Certificate of Analysis (CoA)	Download RoHS CoA Report
2nd Level Interconnect	**e3**
Moisture Sensitivity Level (MSL)	3
Floor Life	168 HOURS
Peak Package Body Temperature (PPT)(°C)	260
Maximum Time at Peak Temperature (s)	40
Number of Reflow Cycles	3
REACH SVHC	NXP REACH Statement
UL94 (plastics flammability test)	V0;Burning stops within 10 seconds on a vertical specimen;no drips allowed

Manufacturing Information

Micron Size(μm)	.18

Ordering Information

Minimum Package Quantity (MPQ)	1250
MPQ Container	BRICK
Exempt from Minimum Delivery Value	Yes
Preferred Order Quantity (POQ)	2500
POQ Container	BOX
Export Control Classification Number (US)	3A991A2
Harmonized Tariff (	
CCATS Document	-
ENC Status	-
Other Trade Compliance Documents	-
Budgetary Price excluding tax(US Currency	1 @ US each
Order	

Operating Characteristics

Sample Exception Availability	N

Reliability Data Lookup